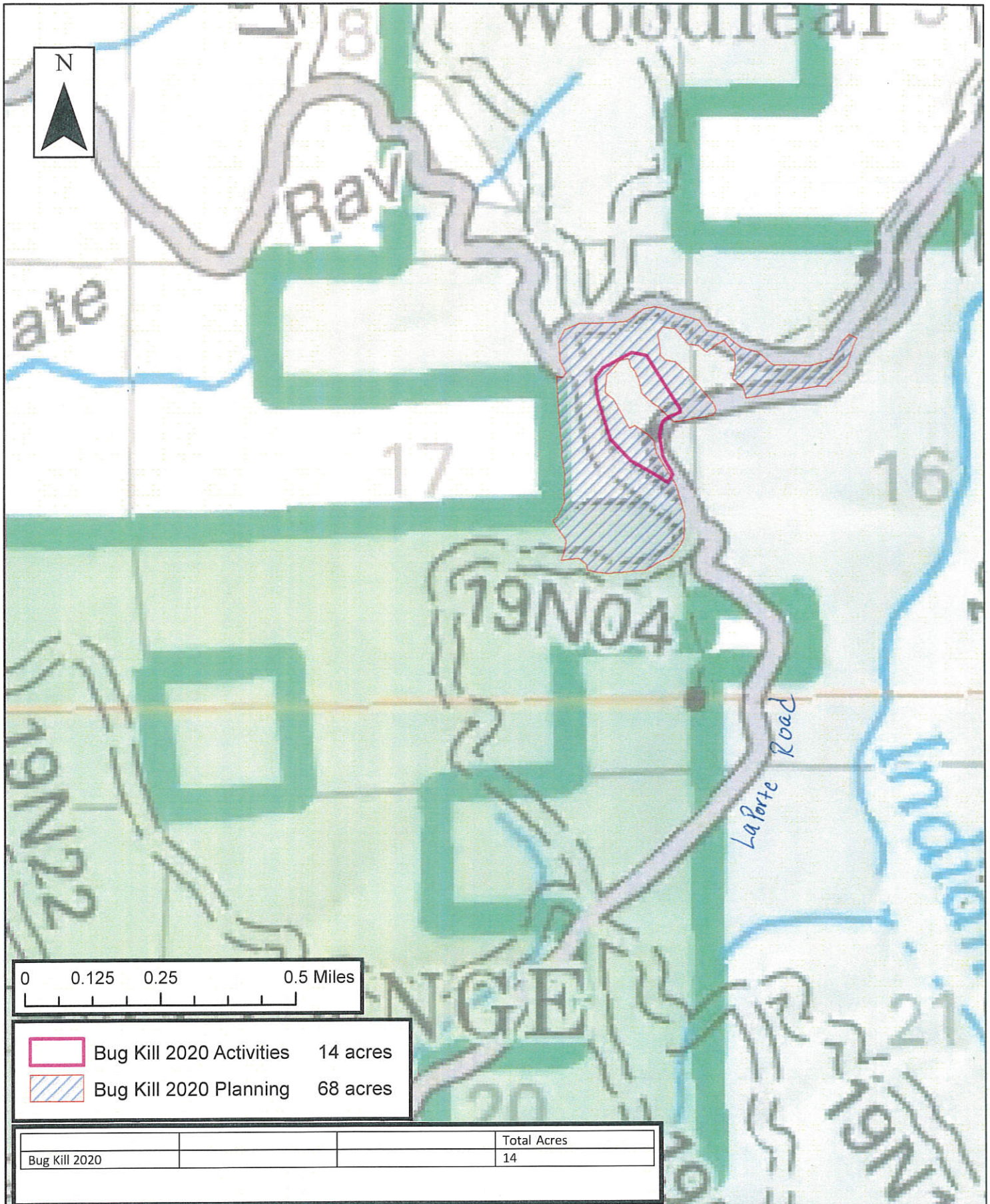


Woodleaf Salvage 2020



APPENDIX A
BOTANY Management Requirements for the Challenge Project.

Potential Resource(s) Affected	Management Requirements Designed to Reduce or Prevent Adverse Effects	Responsible Person(s)
Non-native Invasive Plants (NNIP) - Prevention	Clean all off-road equipment entering the project area if it may be coming from areas infested with nonnative invasive plants (NNIP).	Botanist, Fuels Officer, Project Implementation Teams, Contract Administrators
Non-native Invasive Plants (NNIP) - Prevention	<p>To the greatest extent feasible keep all equipment, vehicles, and supplies out of areas of known NNIP infestations, including any NNIP infestations along access routes and new infestations that may be discovered during project implementation. NNIP infestations may sometimes be flagged with bright orange "noxious weed" flagging.</p> <ul style="list-style-type: none"> Any equipment, vehicles, and supplies that do come in contact with NNIP infestations (plants or the ground close to them) during project implementation should be thoroughly cleaned of dirt, mud, and plant debris before entering any un-infested project area. Hand cutting of broom plants and placement of burn piles on top of NNIP infestations is encouraged. New infestations should be mapped and reported to the District Botanist). 	Botanist, Fuels Officer, Project Implementation Teams, Contract Administrators
Non-native Invasive Plants (NNIP) - Prevention	<p>Members of the project implementation teams (layout crew, contract administrator, etc.) should watch for and be able to recognize NNIP.</p> <ul style="list-style-type: none"> New infestations should be mapped and reported to the District Botanist, and flagged and avoided. As time allows, pull some or all of NNIP encountered during project activities (avoiding archaeology controlled areas). 	Botanist, Project Implementation Teams, Contract Administrators
Non-native Invasive Plants (NNIP) - Prevention	<p>Monitor areas of project related ground disturbance (e.g. skid trails, temp roads, landings, trails, etc.) for NNIP for up to 10 years following project implementation.</p> <ul style="list-style-type: none"> As funding becomes available, new and old infestations of NNIP should be pulled or otherwise mechanically treated. New infestations should be mapped and reported to the District Botanist. 	Botanist and Implementation Team
Non-native Invasive Plants (NNIP) - Prevention	Ensure that all plant material and fill material used for erosion control and/or road maintenance is free of NNIP, including straw, mulch, gravel, and rock (<i>certified weed-free</i>).	Botanist, Implementation Team, and Contract Administrator
Rare Plants - Conservation	Botany Controlled Areas will be shown on the project sale maps, and be flagged on the ground by red-and-black-stripe and blue-and-black-stripe flagging always tied together.	Botanist, Implementation Team, and Contract Administrator

Potential Resource(s) Affected	Management Requirements Designed to Reduce or Prevent Adverse Effects	Responsible Person(s)
Rare Plants - Conservation	<p>Controlled Areas (CAs) have been established for the protection of rare plants.</p> <ul style="list-style-type: none"> • No heavy equipment or other vehicles allowed on the ground within CAs (equipment reaching into a CA, or a small amount of end-lining, is ok), no burn piles (lop-and-scatter within CAs, remove as much slash as practical to burn piles outside of CAs). • Remove hazard trees as necessary – minimize ground disturbance (consult with botanist as needed) • Do thin the canopy per project prescriptions – minimize ground disturbance (consult with botanist as needed). • Do hand-cut brush and non-canopy trees per project prescriptions – but no burn piles within Controlled Areas and minimize lop-and-scatter within Controlled Areas. • Do underburn per project prescriptions – but avoid ignitions within Controlled Areas. • SPECIAL CONSIDERATIONS. <ul style="list-style-type: none"> ○ For Ahart's buckwheat: <ul style="list-style-type: none"> -- Have a botanical monitor (botanist or suitably trained personnel) on site during implementation. -- Avoid trampling of Ahart buckwheat plants during project implementation. -- Burn piles are preferable to lop and scatter, but piles should be at least 20 ft away from any Ahart buckwheat plants, or avoid spreading woody debris on or next to Ahart buckwheat plants. -- No goats on Ahart buckwheat plants. ○ For mutant tanoak: <ul style="list-style-type: none"> -- Have a botanical monitor (botanist or suitably trained personnel) on site during implementation. -- Avoid trampling of mutant tanoak plants. -- No underburn within these Controlled Areas. -- No goats on mutant tanoak plants. 	Botanist, Project Implementation Teams, Contract Administrators

Woodleaf Bug Kill Hydro Proposed Actions

